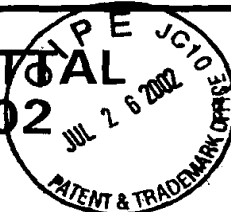


FEE TRANSMITTAL FOR FY 2002



Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

\$ 168.00

Complete if Known

Application Number 09/460,324

Filing Date 12/10/1999

First Named Inventor Kenneth J. Kasha

Group Art Unit 1661

Examiner Name Anne Marie Grunberg

Attorney Docket Number 411044.90021

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JUL 31 2002

FEE CENTER 1600/2800

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

17-0055

Deposit Account Name

Quarles & Brady LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$).00

2. CLAIMS

		Extra	Fee from below	Fee Paid
Total Claims	27	-30**= 0	X	
Independent	5	-3**= 2	X	84 = 168
Multiple Dependent Claims				

** or number previously paid, if greater, For reissues see below

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 168.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,280	241	640	Petition to revive unintentionally abandoned application	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
146	740	246	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	270	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

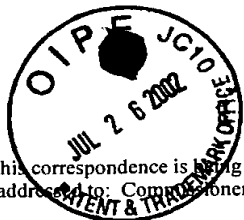
Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$).00

SUBMITTED BY

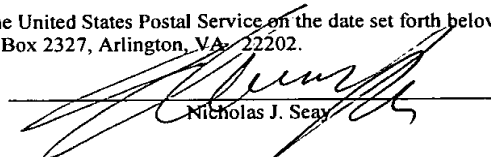
Complete (if applicable)

Typed or Printed Name	Nicholas J Seay	Registration No. (Attorney/Agent)	27,386	Telephone	608/251-5000
Signature		Date	July 23, 2002		



I hereby certify that this correspondence is being deposited with the United States Postal Service on the date set forth below as First Class Mail in an envelope addressed to: Commissioner for Patents, P O Box 2327, Arlington, VA 22202.

Date of Signature and Deposit: July 23, 2002


Nicholas J. Seay

PATENT

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8-7-02
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JUL 31 2002

TECH CENTER 1600/25

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kenneth J. Kasha
Ecaterina Simion

Date: July 23, 2002

Serial No.: 09/460,324

Group Art Unit: 1661

Filed: 12/10/99

Examiner: Anne Marie Grunberg

Title: EMBRYOGENESIS AND PLANT
REGENERATION FROM MICROSPORES

File No.: 411044.90021

AMENDMENT

Commissioner for Patents
P O Box 2327
Arlington, VA 22202

Sir:

In response to the Office Action of April 23, 2002, please amend the above identified application as follows.

In the Claims

Please amend Claims 1, 17 and 18 as follows:

- A'
B
1. (Amended) A method of producing an embryo comprising the steps of:
 - (a) harvesting a microspore-containing plant segment from a donor plant;
 - (b) incubating said segment under pre-treatment conditions to maintain from about 50% to about 100% of microspores at a uninucleate stage of development;
 - (c) isolating microspores from said segment; and
 - (d) incubating said isolated microspores in an induction medium comprising arabinogalactan protein to induce embryogenesis, thereby producing embryos.